



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **MCHENRY AREA GW INV**

Project/Facility Number: 1110605222 Date Received : 09/10/14

Funding Code: LP52 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **DRAFT: G100** Lab Sample ID: **SI40443-01**

Matrix: Water Collected By: TOM RIVERA Date/Time Collected: 09/08/14 10:30

Sample Type: Sample Depth: Total Depth: 0

DRAFT: Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 09/10/14 10:24

Units: ug/L Analyzed: 09/10/14 16:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND	J5	2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK) *	ND		10	
cis-1,2-Dichloroethene	150		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK) *	ND	J7	2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND	J7	2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND	J7	2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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Name: **MCHENRY AREA GW INV**

Project/Facility Number: 1110605222 Date Received : 09/10/14

Funding Code: LP52 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **DRAFT: G101** Lab Sample ID: **SI40443-02**

Matrix: Water Collected By: TOM RIVERA Date/Time Collected: 09/08/14 10:40

Sample Type: Sample Depth: Total Depth: 0

DRAFT: Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 09/10/14 10:24

Units: ug/L Analyzed: 09/10/14 17:12

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND	J5	2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK) *	ND		10	
cis-1,2-Dichloroethene	150		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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Name: **MCHENRY AREA GW INV**

Project/Facility Number: 1110605222 Date Received : 09/10/14

Funding Code: LP52 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **DRAFT: G101** Lab Sample ID: **SI40443-02**

Matrix: Water Collected By: TOM RIVERA Date/Time Collected: 09/08/14 10:40

Sample Type: Sample Depth: Total Depth: 0

DRAFT: Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 09/10/14 10:24

Units: ug/L Analyzed: 09/10/14 17:12

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK) *	ND	J7	2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND	J7	2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND	J7	2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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Name: **MCHENRY AREA GW INV**

Project/Facility Number: 1110605222 Date Received : 09/10/14

Funding Code: LP52 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **DRAFT: VOC TRIP BLANKS** Lab Sample ID: **SI40443-03**

Matrix: Water Collected By: NA Date/Time Collected: 09/08/14 0:00

Sample Type: Sample Depth: Total Depth: 0

DRAFT: Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 09/10/14 10:24

Units: ug/L Analyzed: 09/10/14 17:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND	J5	2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK) *	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name: **MCHEMRY AREA GW INV**

Project/Facility Number: 1110605222 Date Received : 09/10/14

Funding Code: LP52 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **DRAFT: VOC TRIP BLANKS** Lab Sample ID: **SI40443-03**

Matrix: Water Collected By: NA Date/Time Collected: 09/08/14 0:00

Sample Type: Sample Depth: Total Depth: 0

DRAFT: Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 09/10/14 10:24

Units: ug/L Analyzed: 09/10/14 17:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK) *	ND	J7	2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND	J7	2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND	J7	2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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Date Received : 09/10/14

Funding Code: LP52

Visit Number:

Trip ID:

Temperature C: 4.00

Notes and Definitions

- J7 Blank spike failed low - possible low bias or false non-detect result.
- J5 Blank spike failed high, result was less than the reporting limit - impact on data may be minimal.
- ND Analyte NOT DETECTED at or above the reporting limit
- * Non-NELAP accredited

Method 8260: Tentatively Identified Compounds (TICs) were detected in the volatile analysis of sample SI40443-02. Please contact the laboratory if additional information about the TICs is needed.

Report Authorized by:

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